Likelihood charge (1 bins

Legend: single-ring (red), multi-ring (blue)

x-axis: $\Delta \chi^2 = \chi^2_{multi} - \chi^2_{single}$

Likelihood time (1 bins

Legend:
- single-ring (red)
- multi-ring (blue)

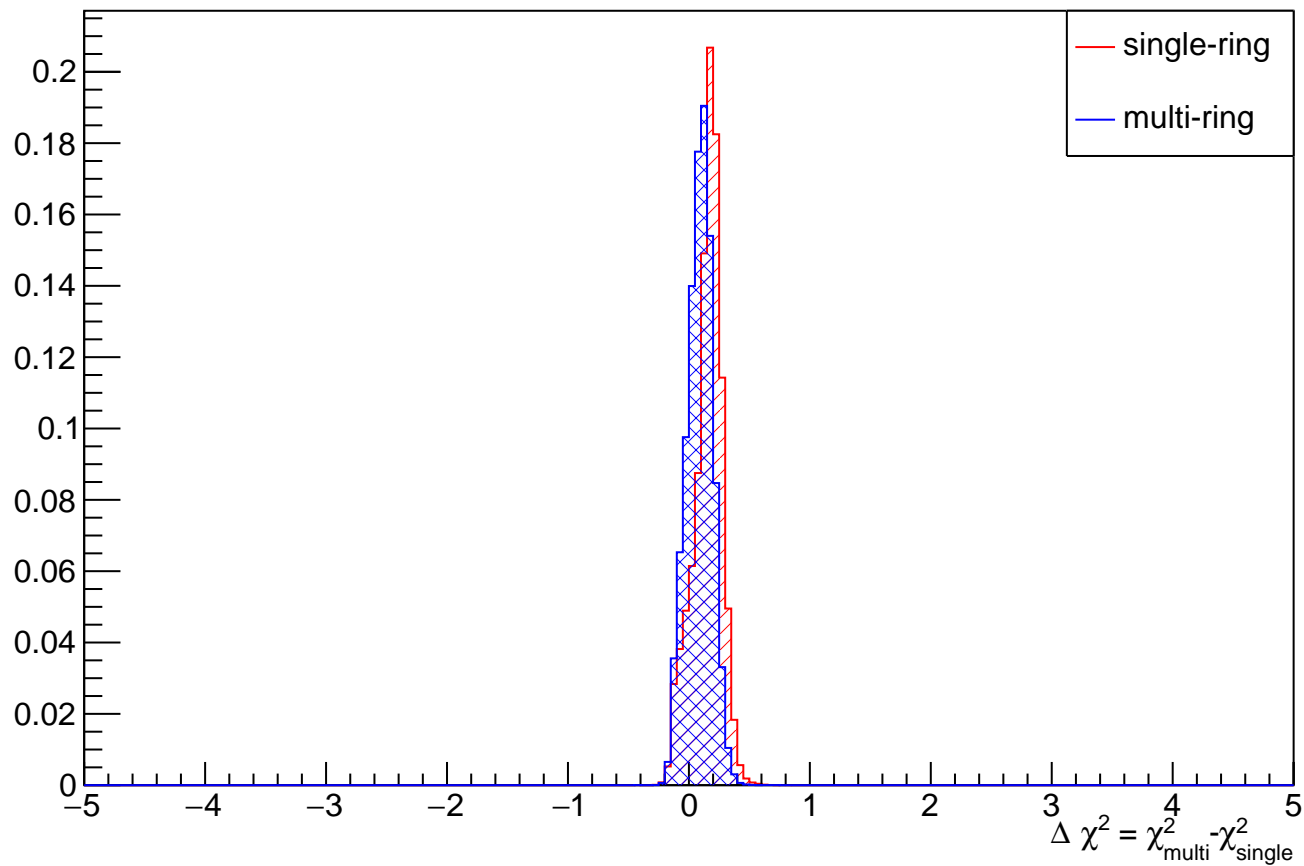x-axis: $\Delta \chi^2 = \chi^2_{multi} - \chi^2_{single}$

Likelihood theta (1 bins

Likelihood phi (1 bins

Likelihood charge (2 bins

Likelihood time (2 bins

single-ring
multi-ring

$\Delta \chi^2 = \chi^2_{multi} - \chi^2_{single}$
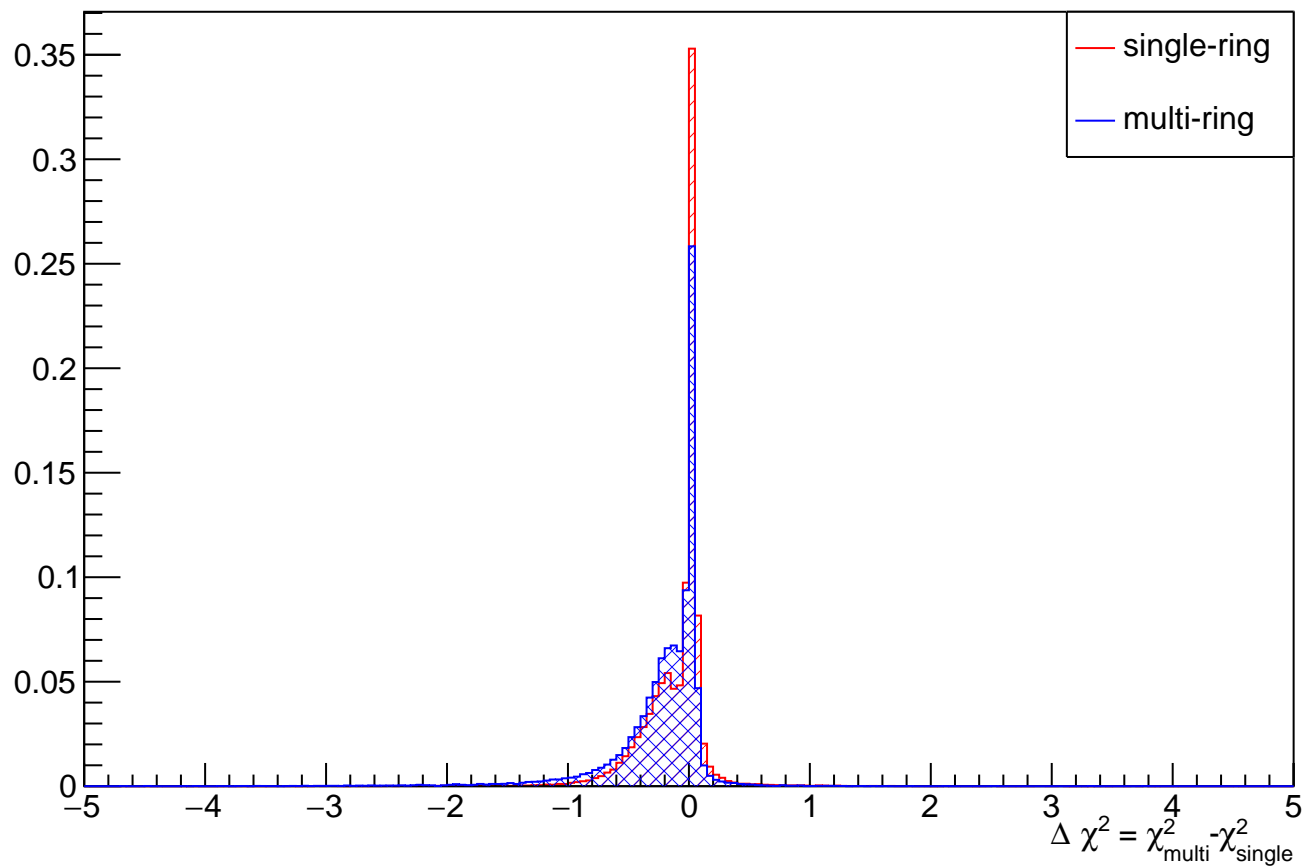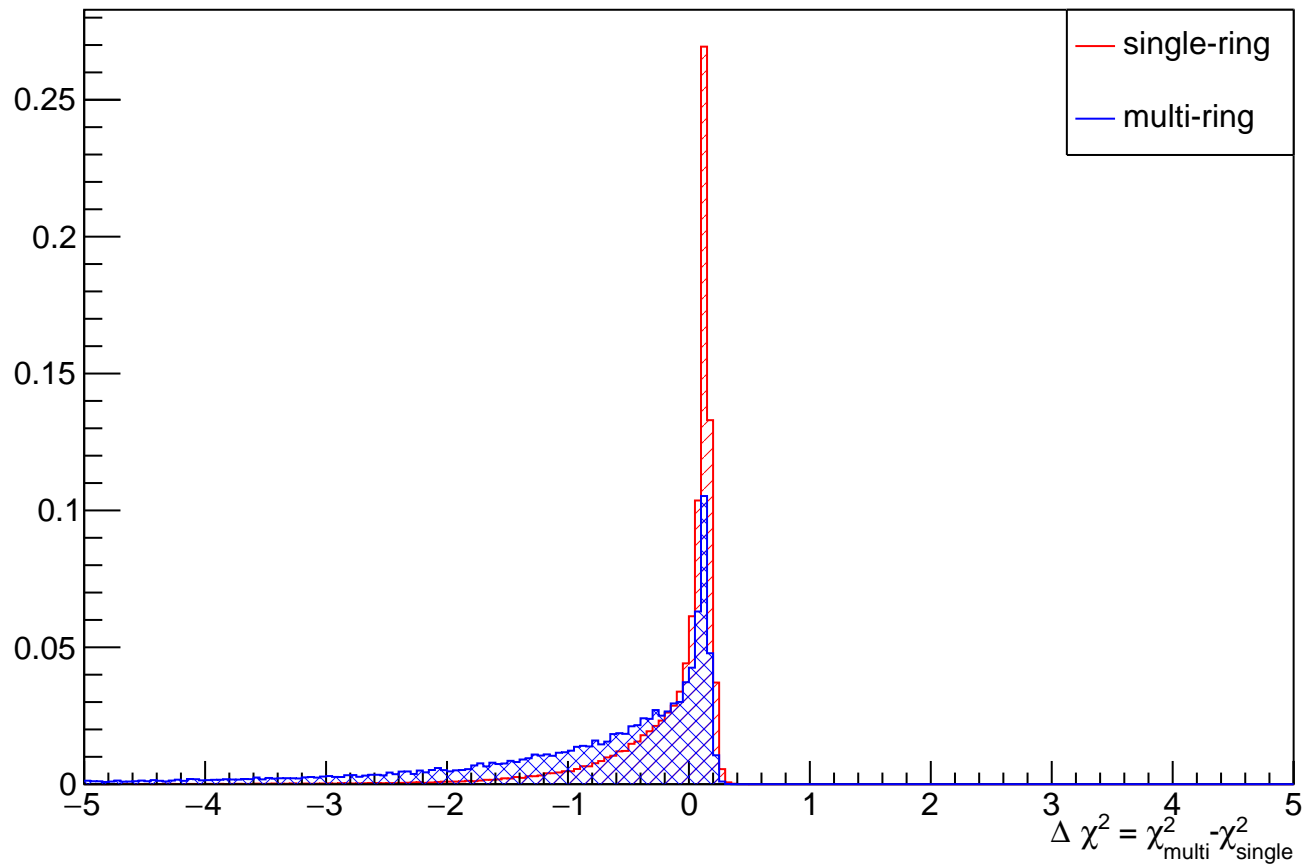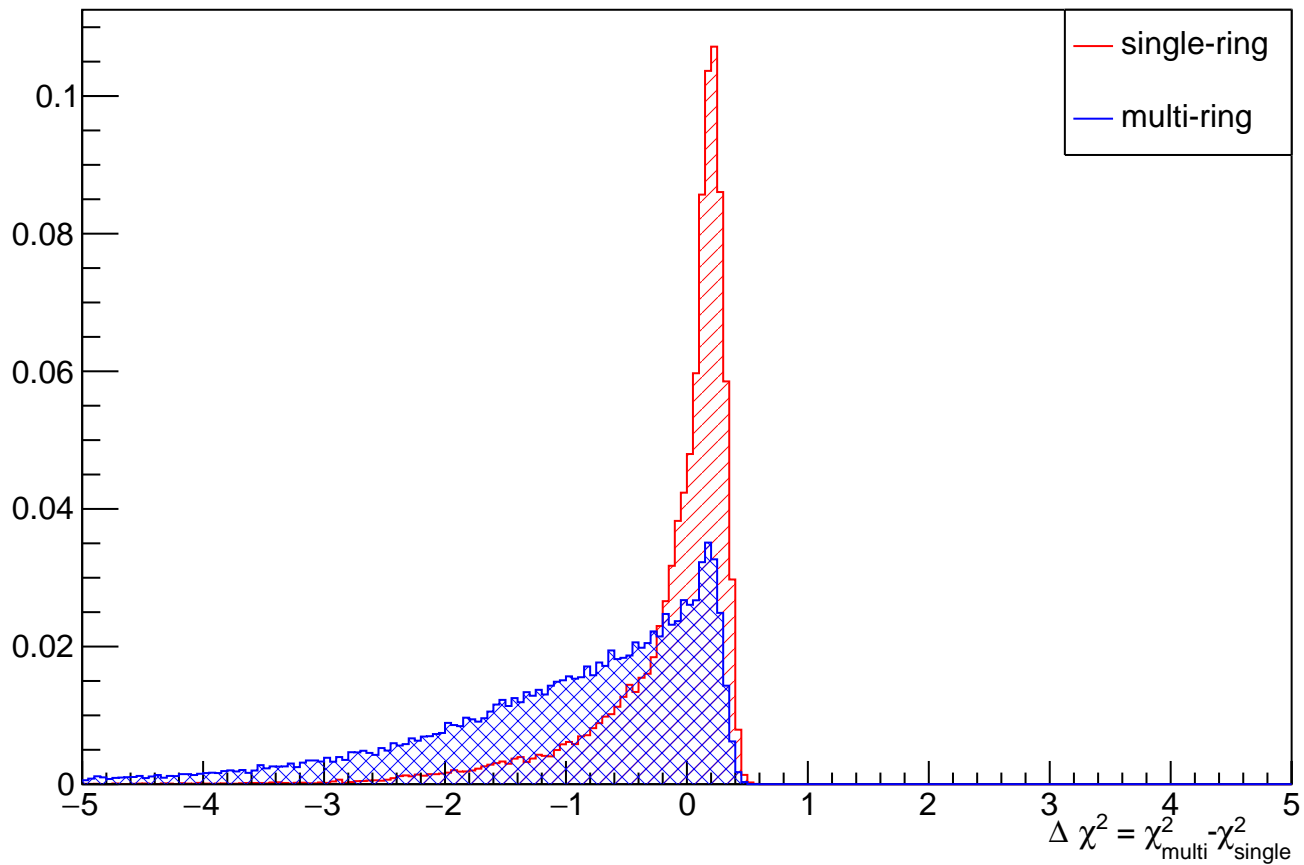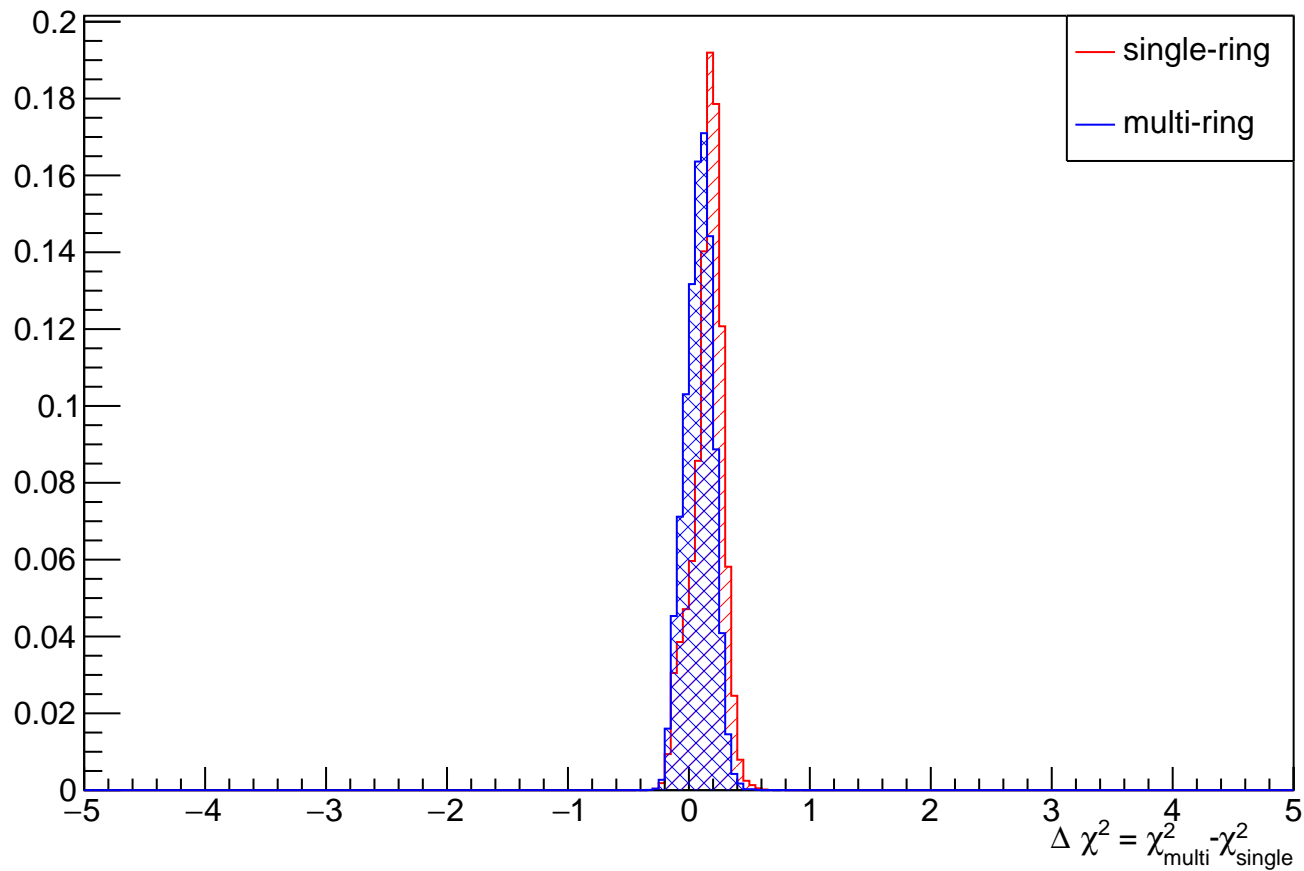
Likelihood theta (2 bins
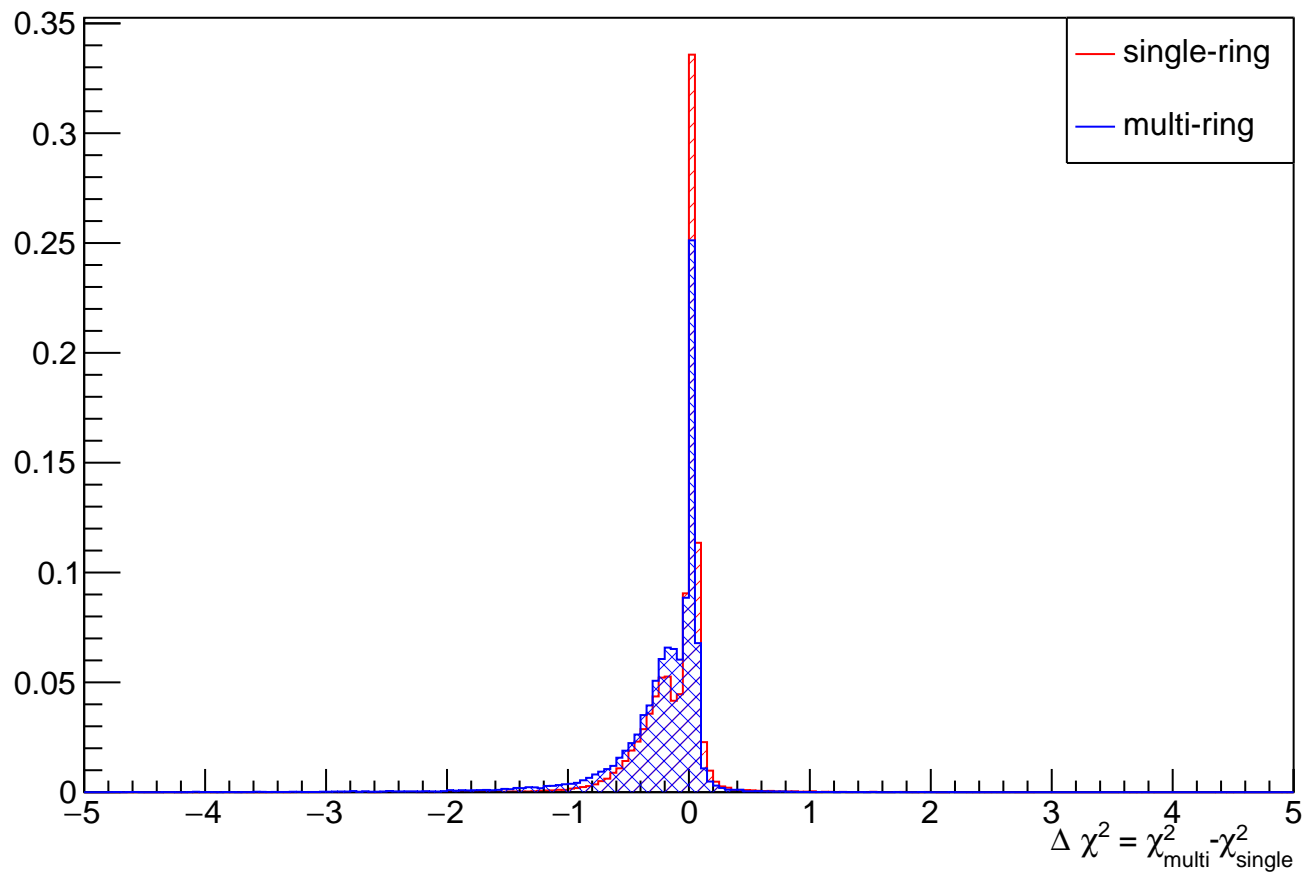
Likelihood phi (2 bins
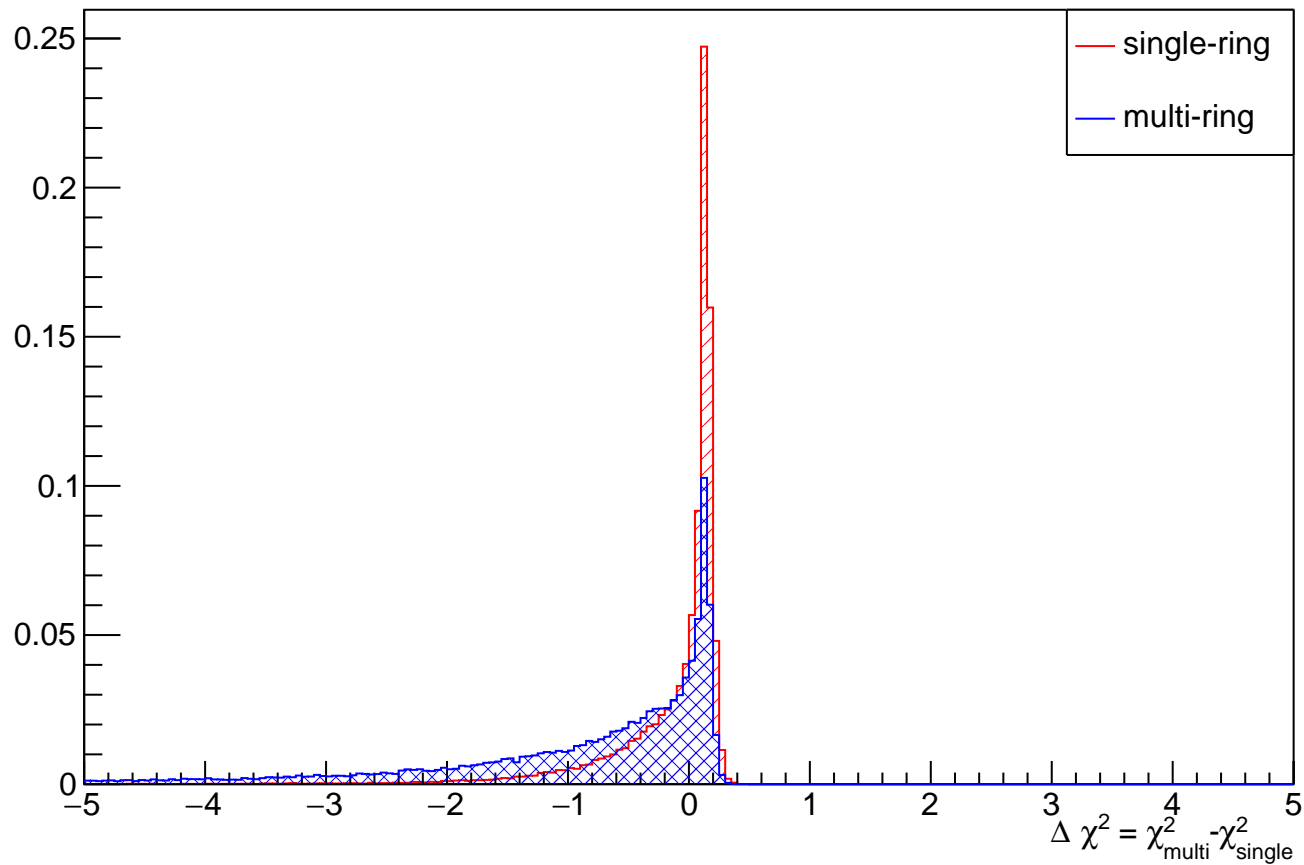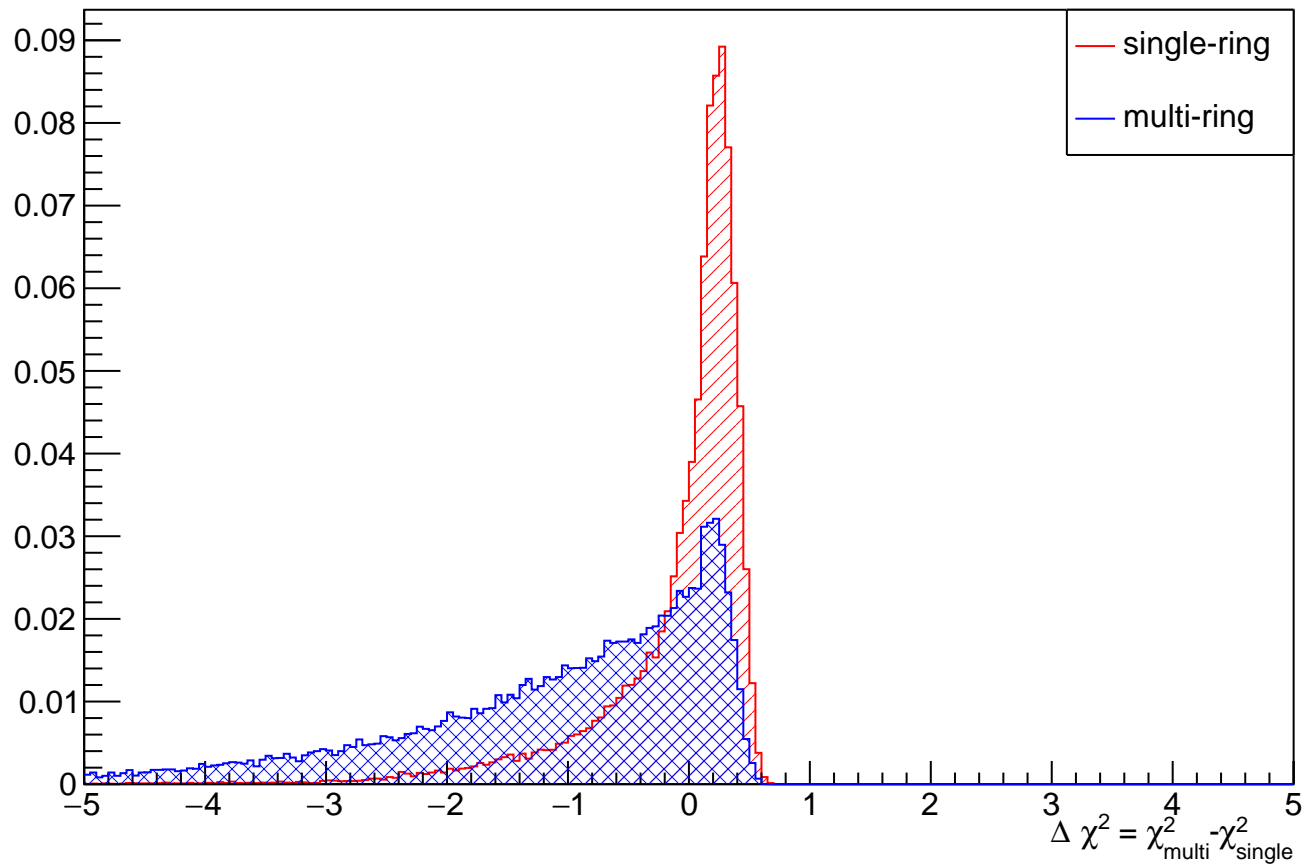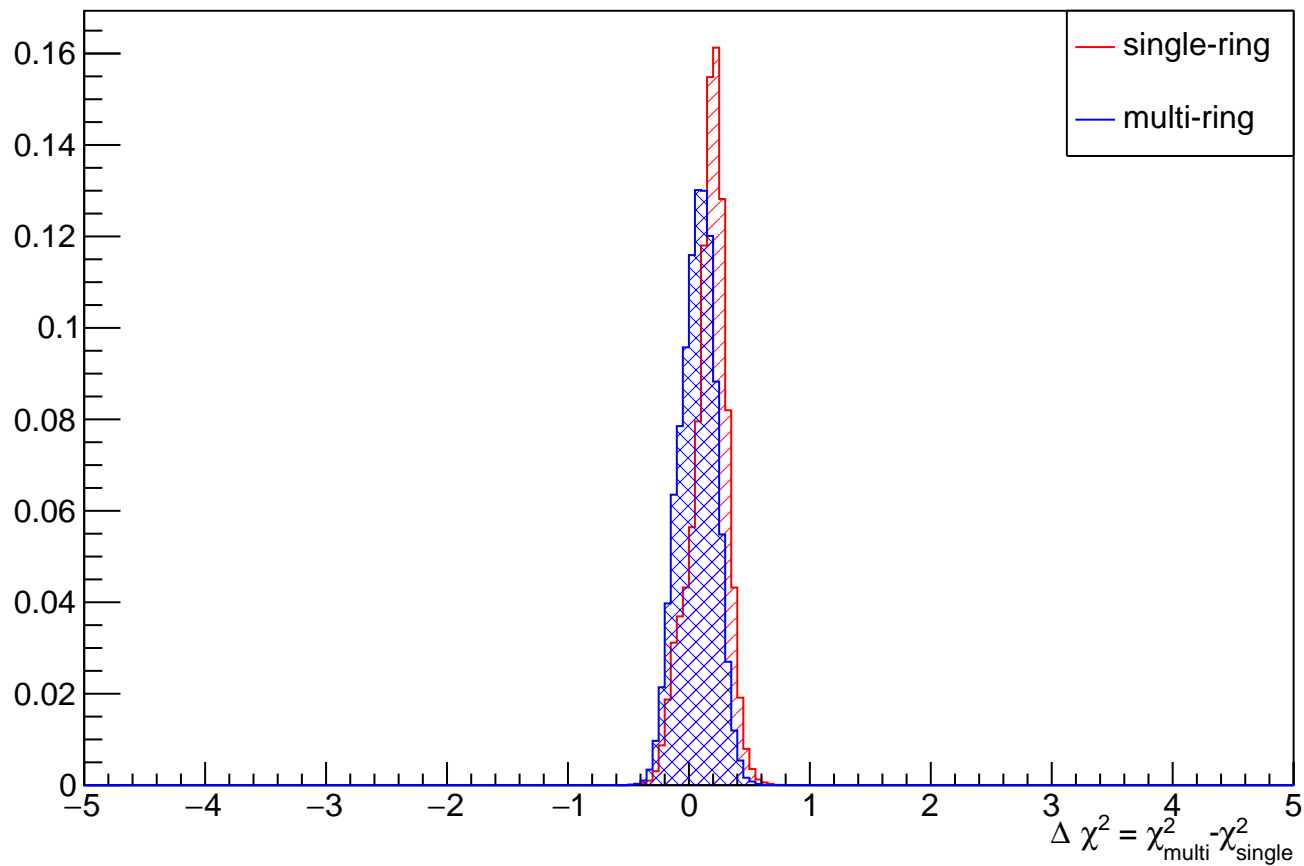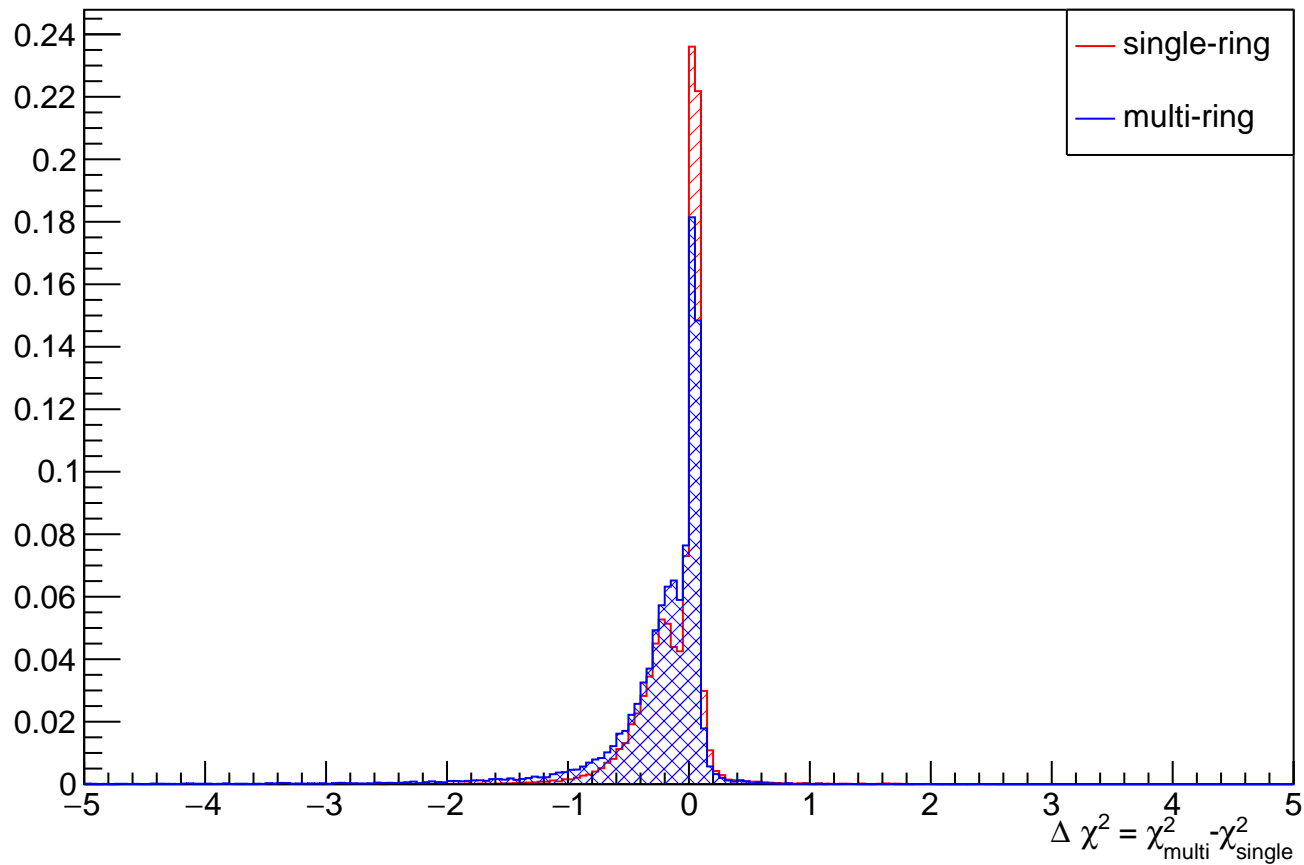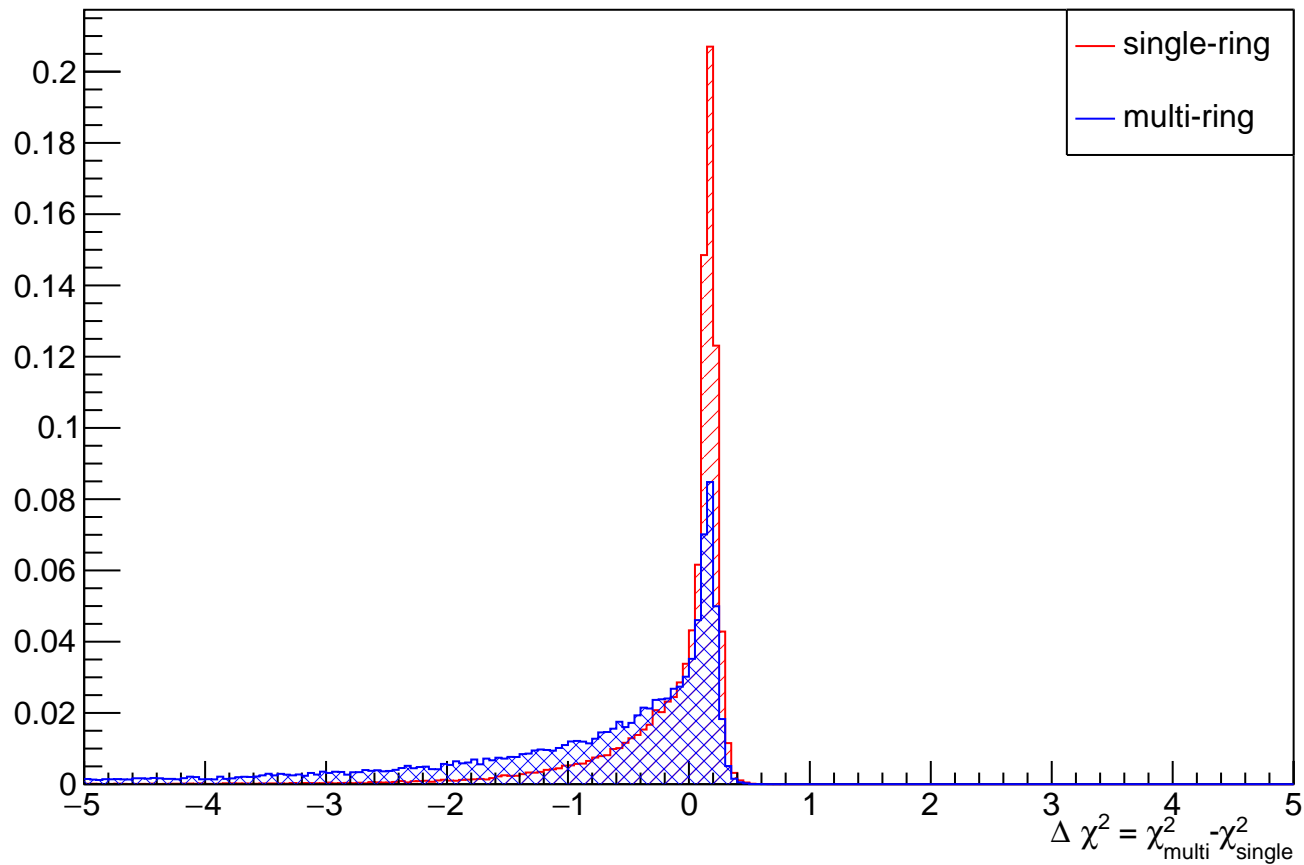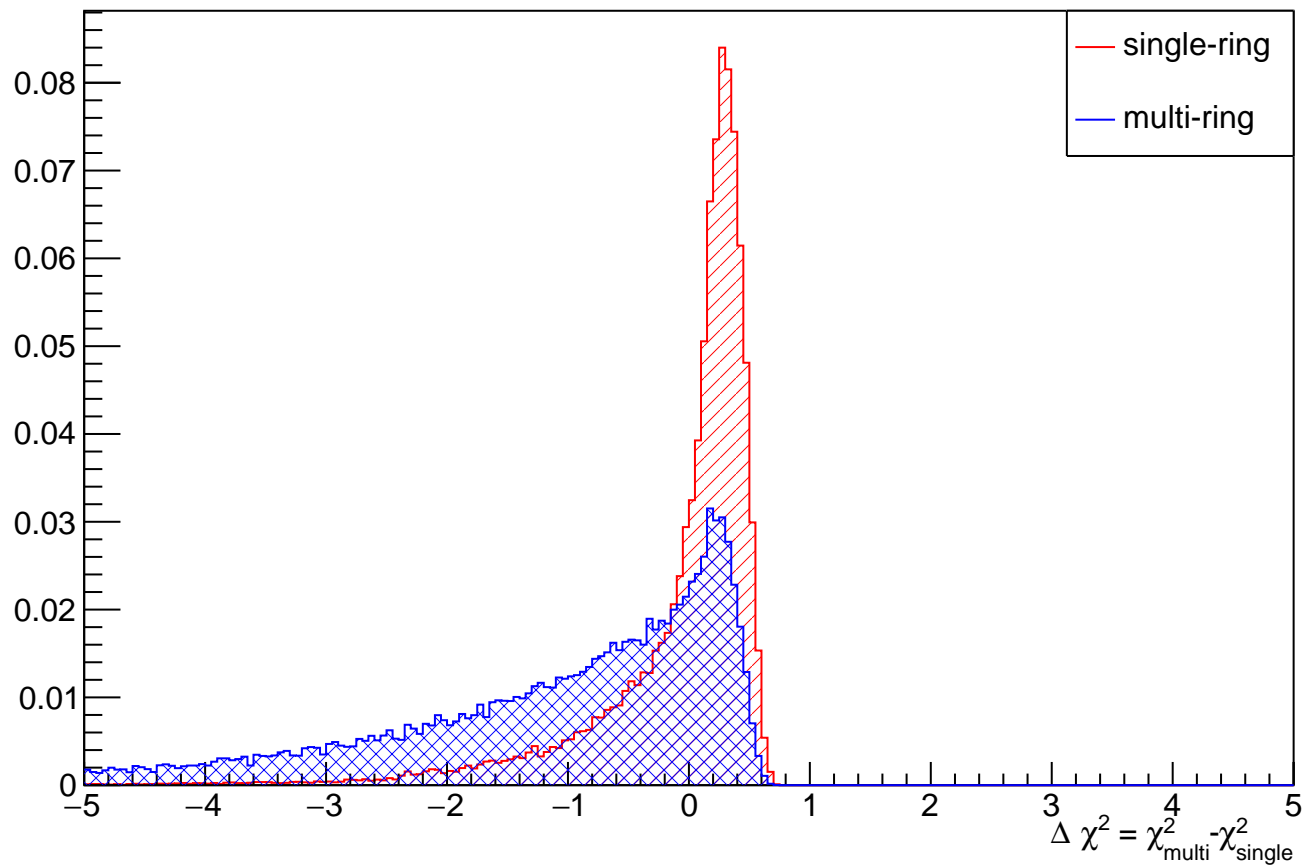
Likelihood charge (5 bins

Likelihood time (5 bins

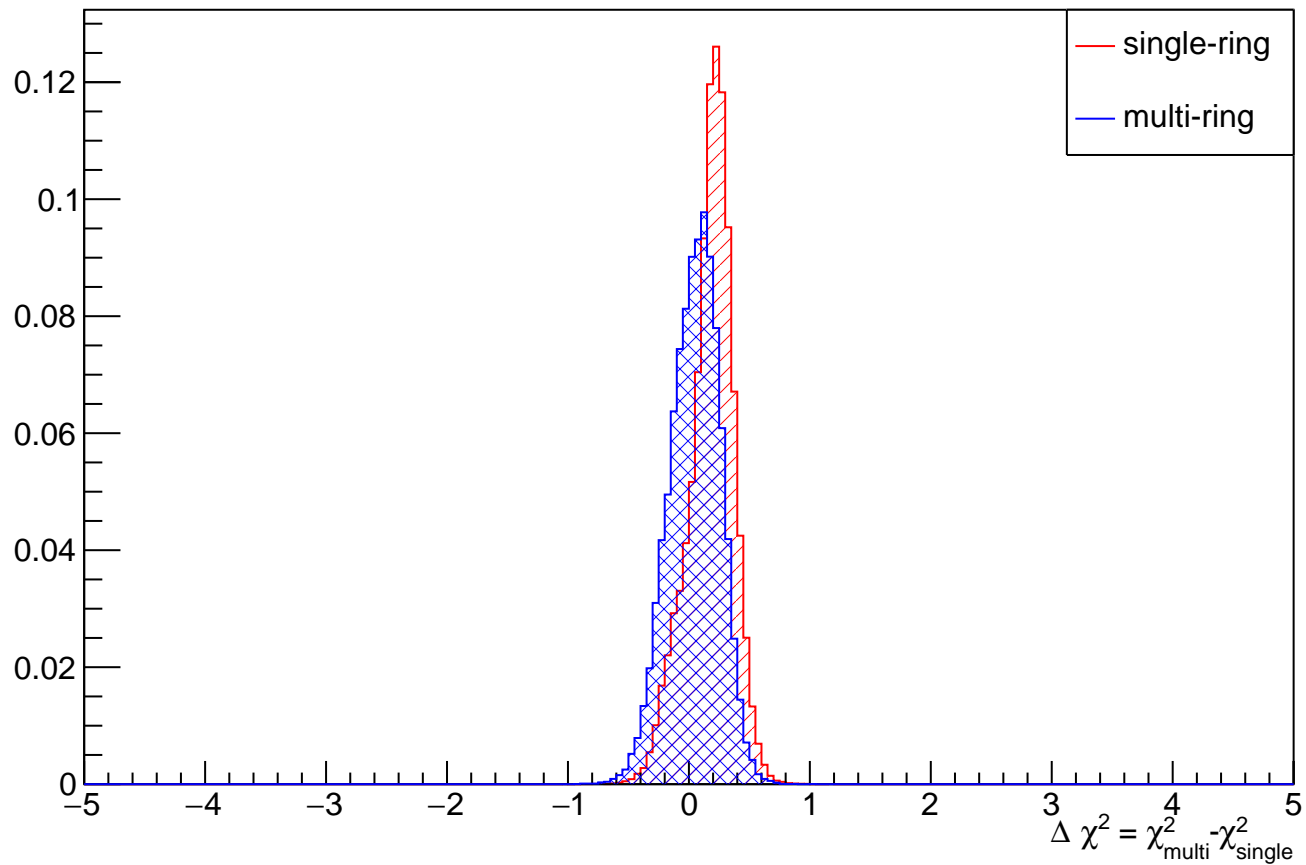Likelihood theta (5 bins

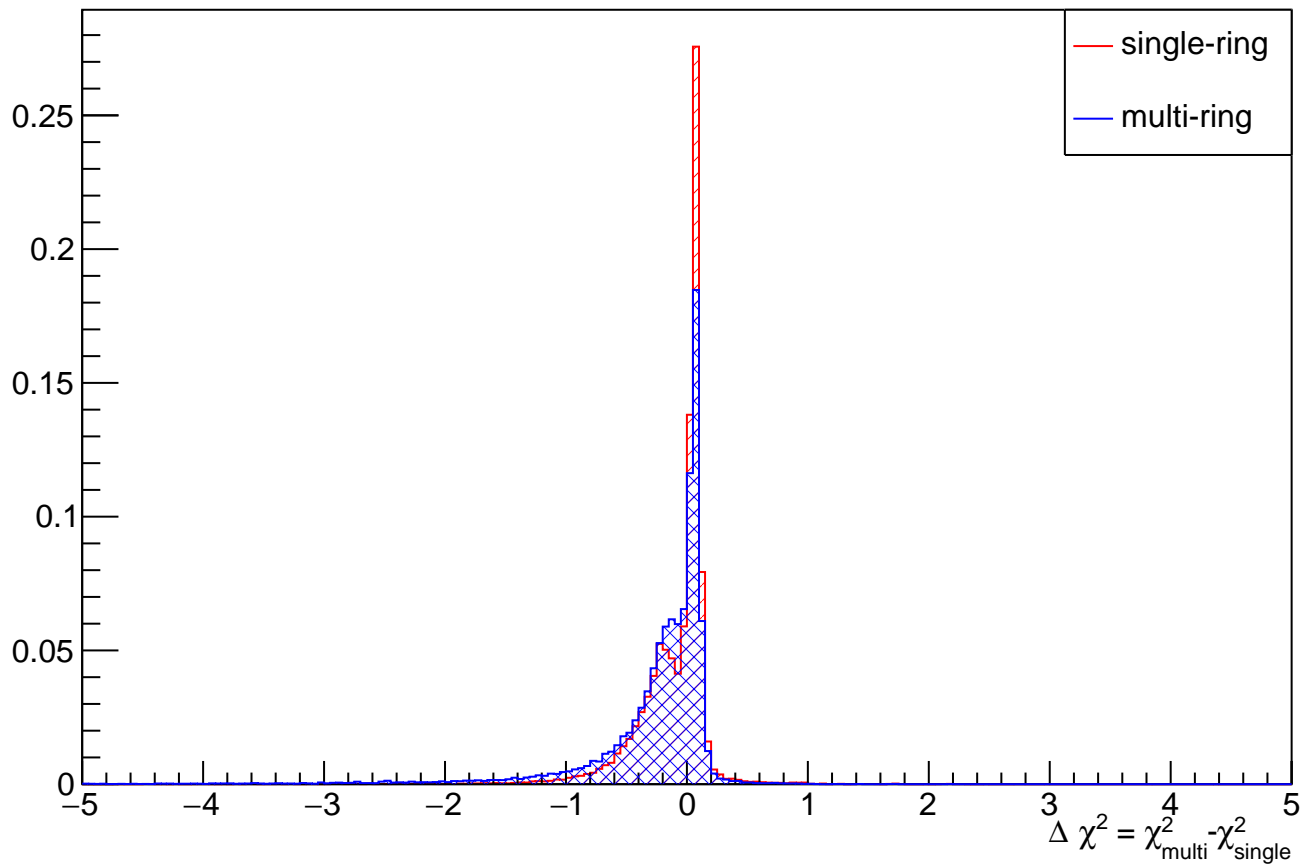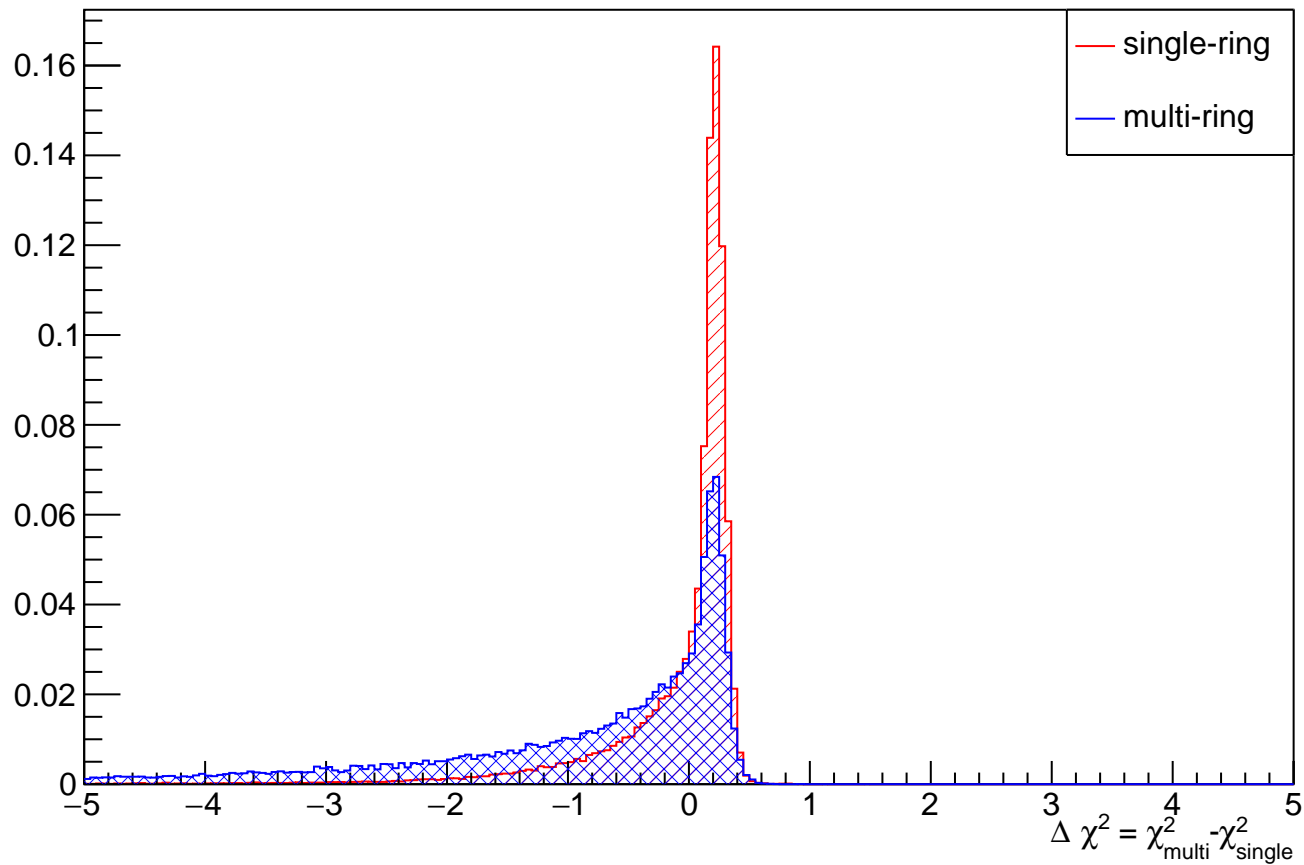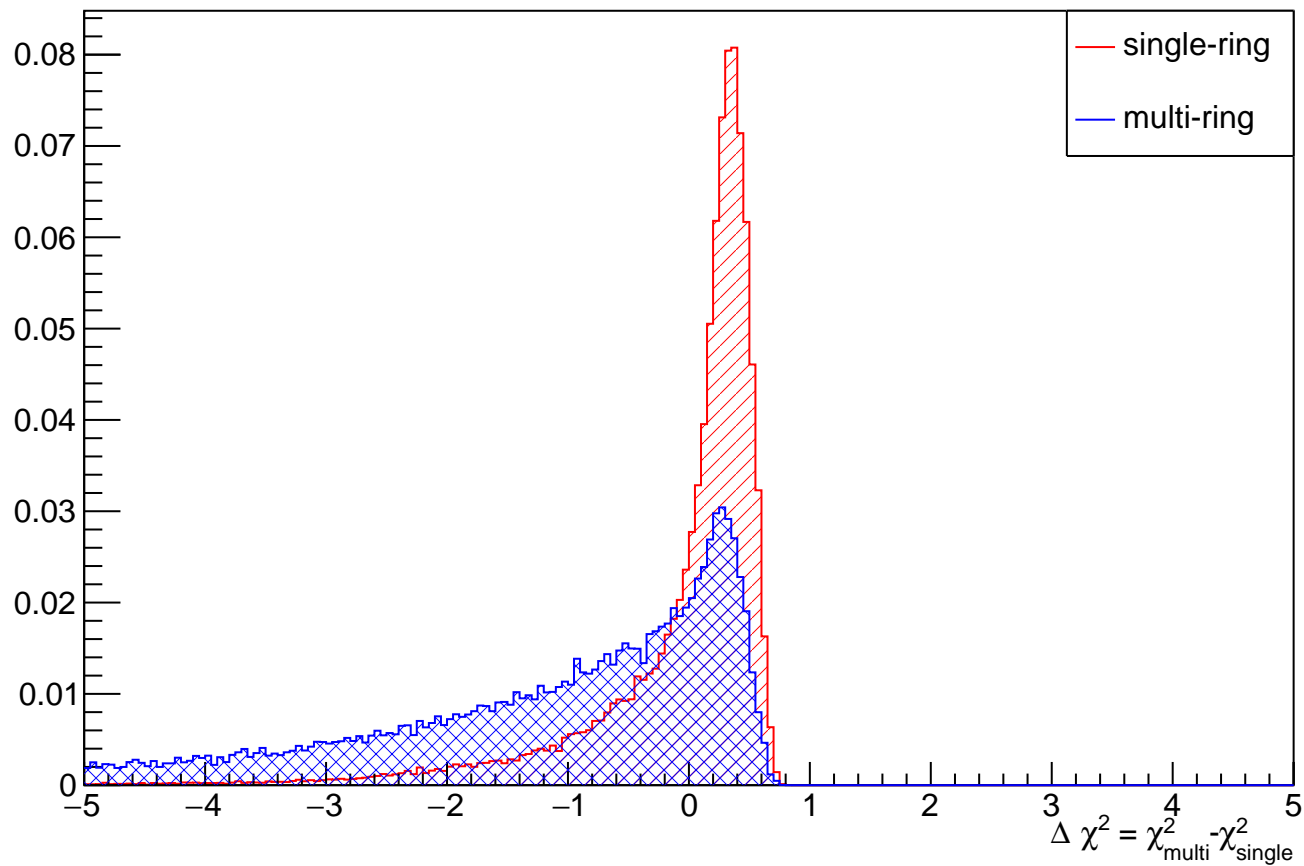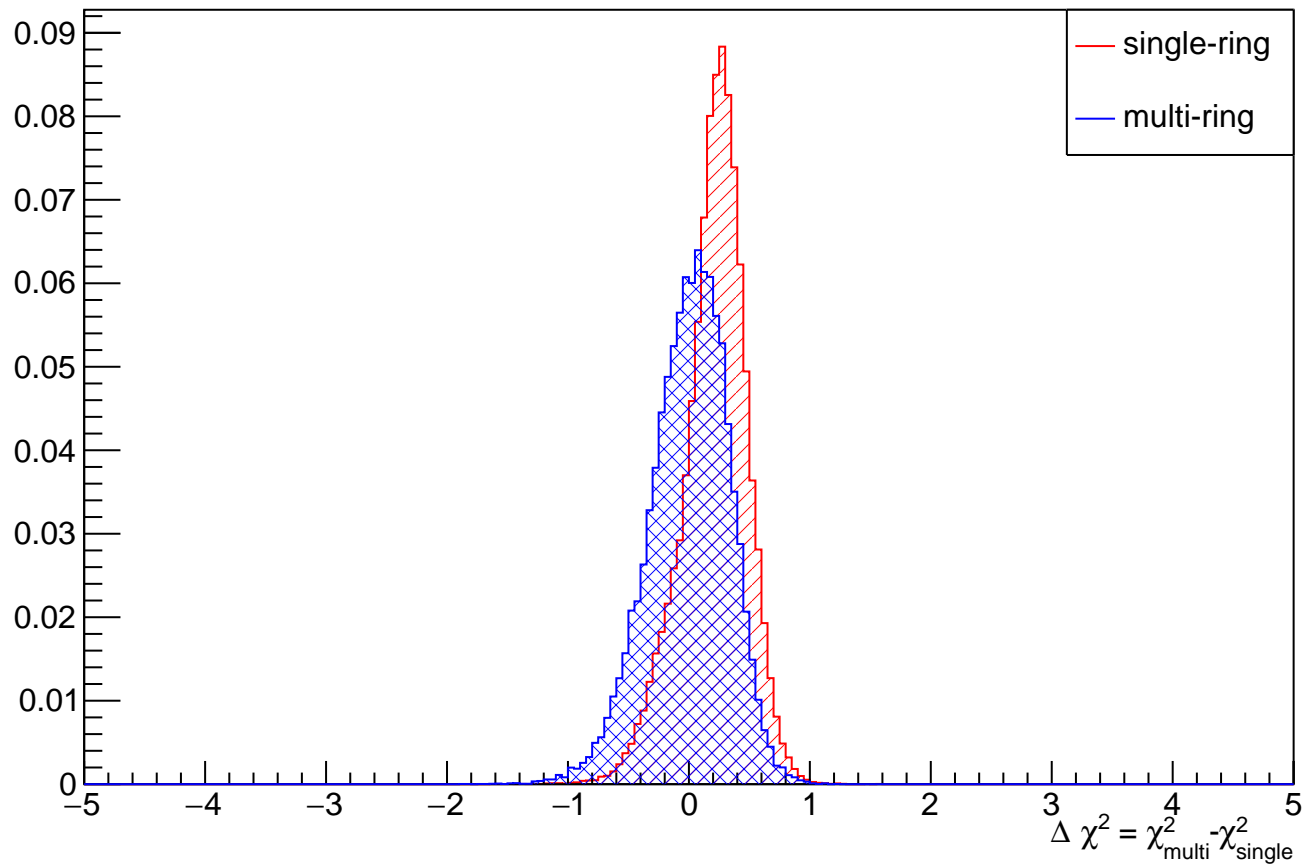Likelihood phi (5 bins

Likelihood charge (10 bins

Likelihood time (10 bins

single-ring
multi-ring

$\Delta \chi^2 = \chi^2_{multi} - \chi^2_{single}$

Likelihood theta (10 bins

Legend:
- single-ring (red)
- multi-ring (blue)

$\Delta \chi^2 = \chi^2_{multi} - \chi^2_{single}$

Likelihood phi (10 bins

Likelihood charge (20 bins

Legend:
- single-ring (red)
- multi-ring (blue)

x-axis: $\Delta \chi^2 = \chi^2_{multi} - \chi^2_{single}$

Likelihood time (20 bins

Likelihood theta (20 bins

Likelihood phi (20 bins

Likelihood charge (25 bins

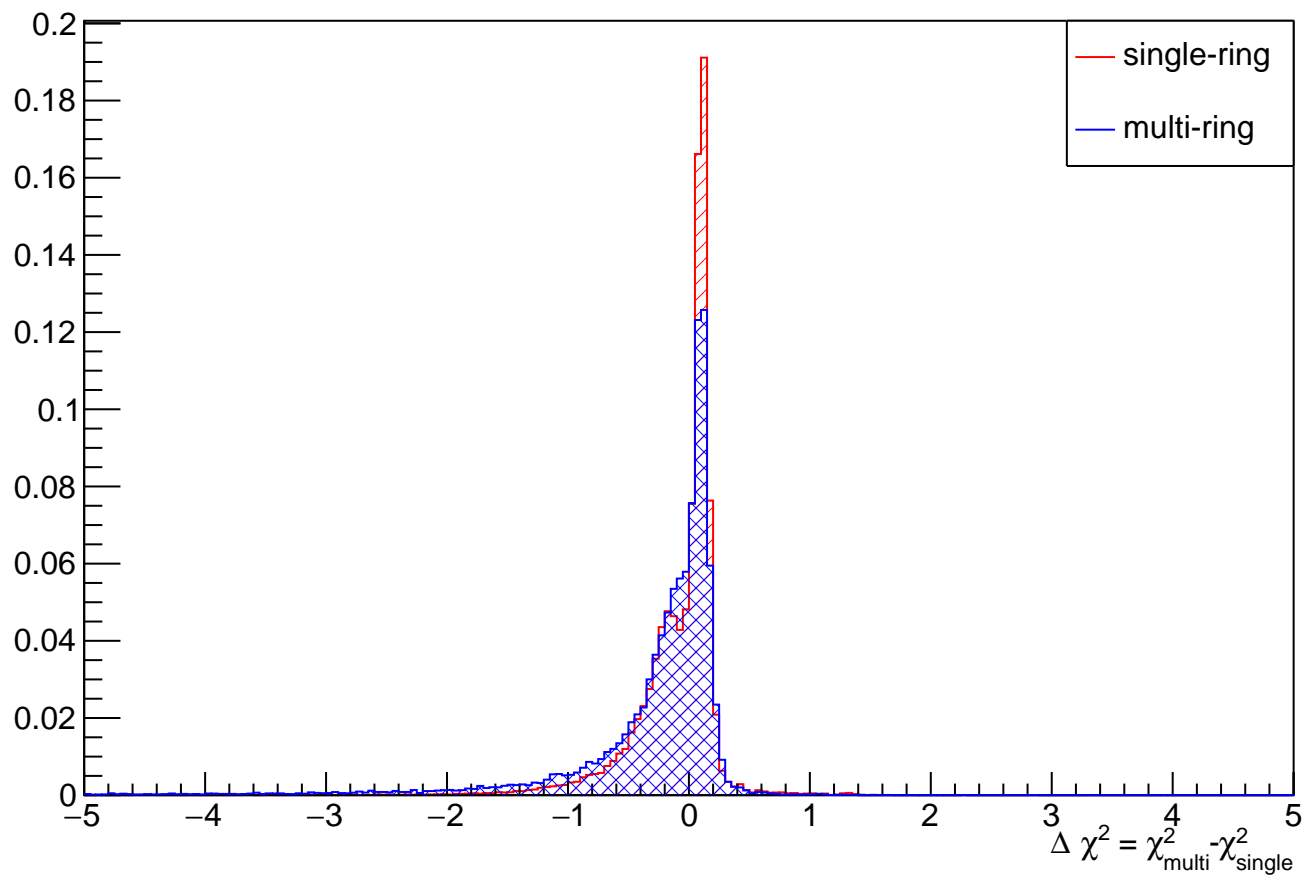Likelihood time (25 bins

Likelihood theta (25 bins

Likelihood phi (25 bins

Likelihood charge (50 bins

Likelihood time (50 bins
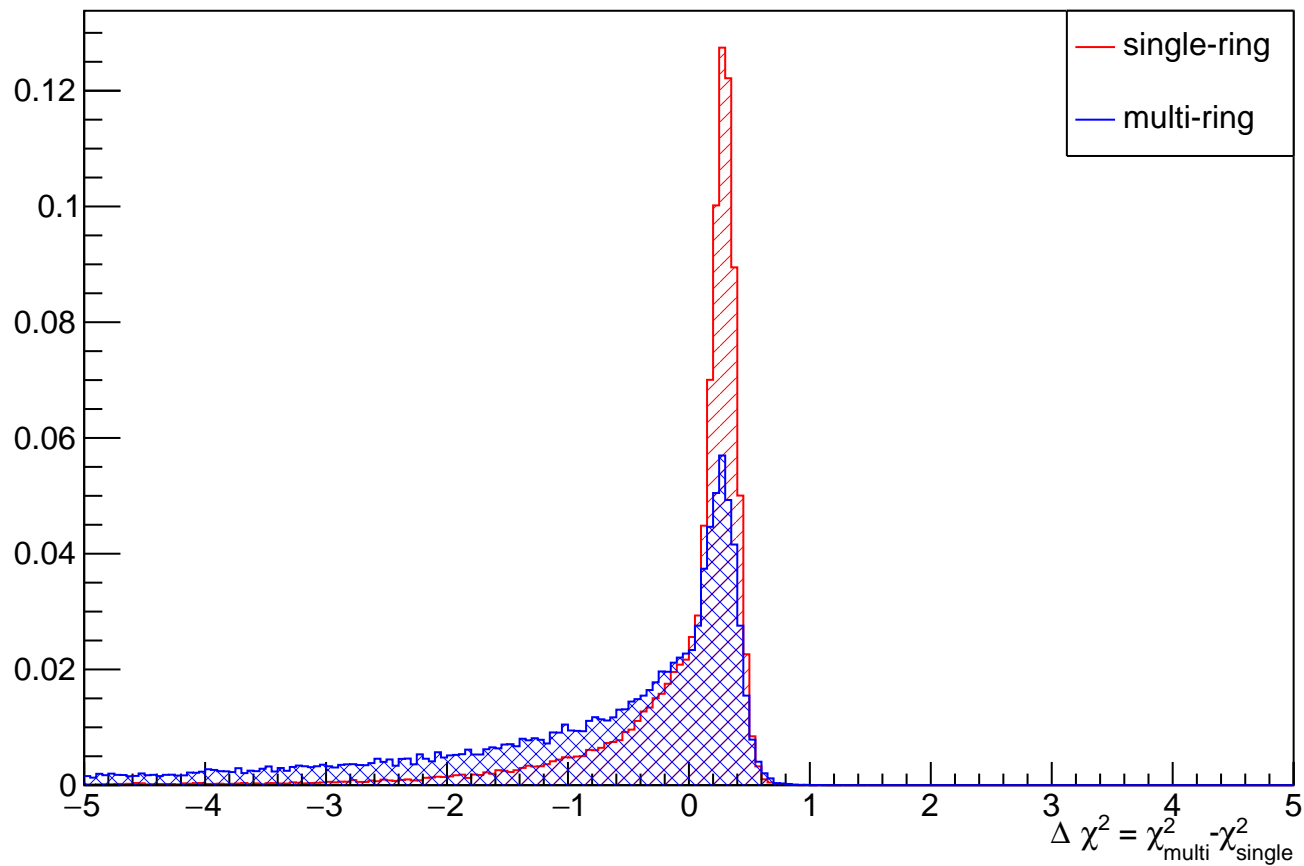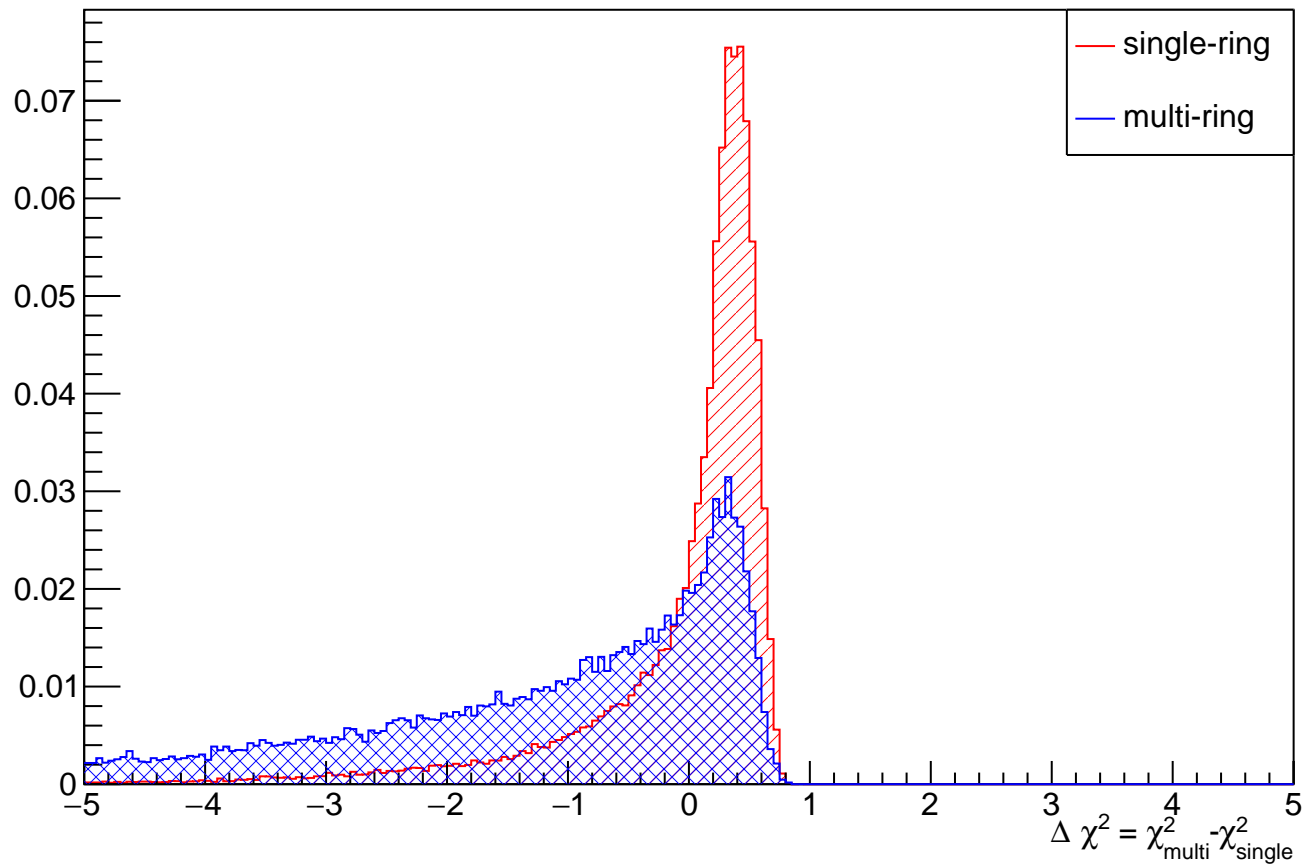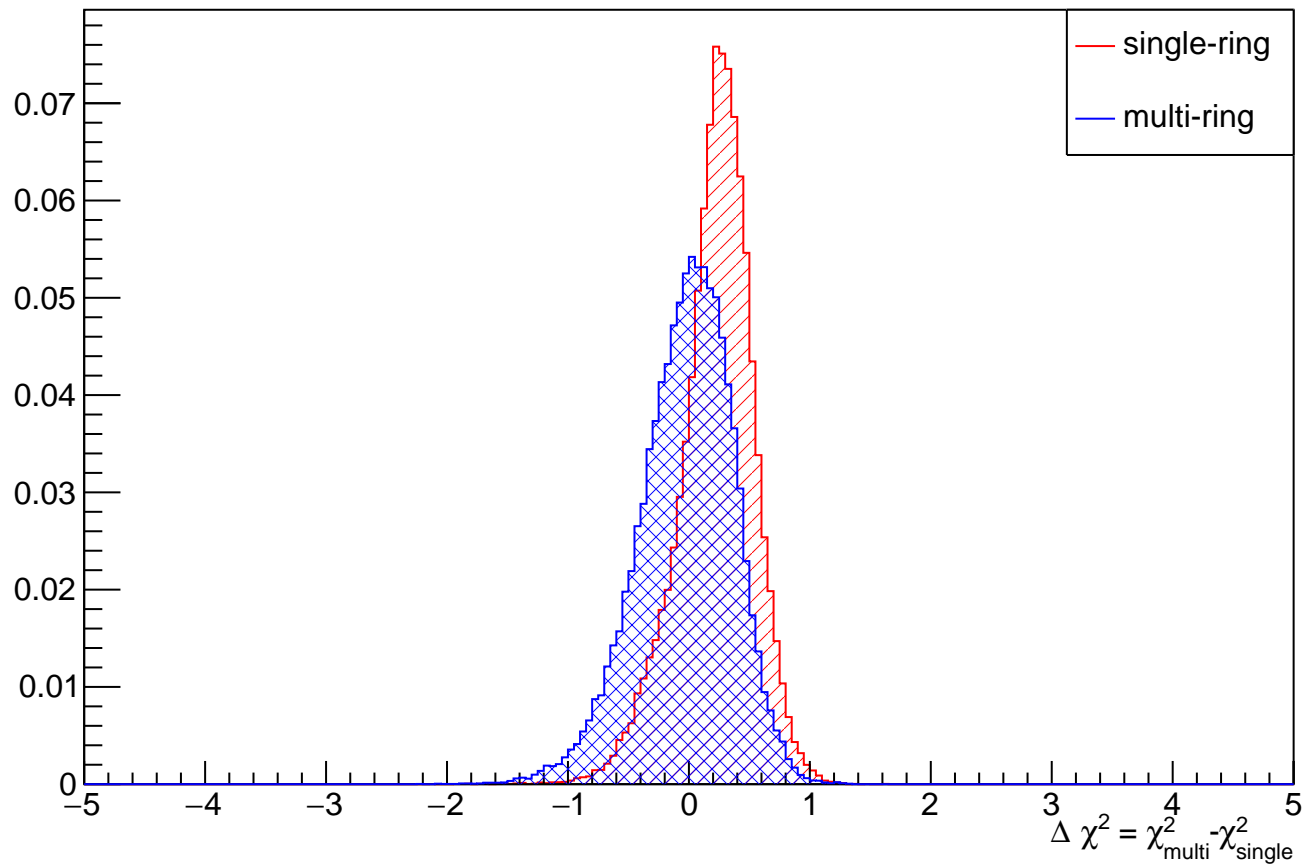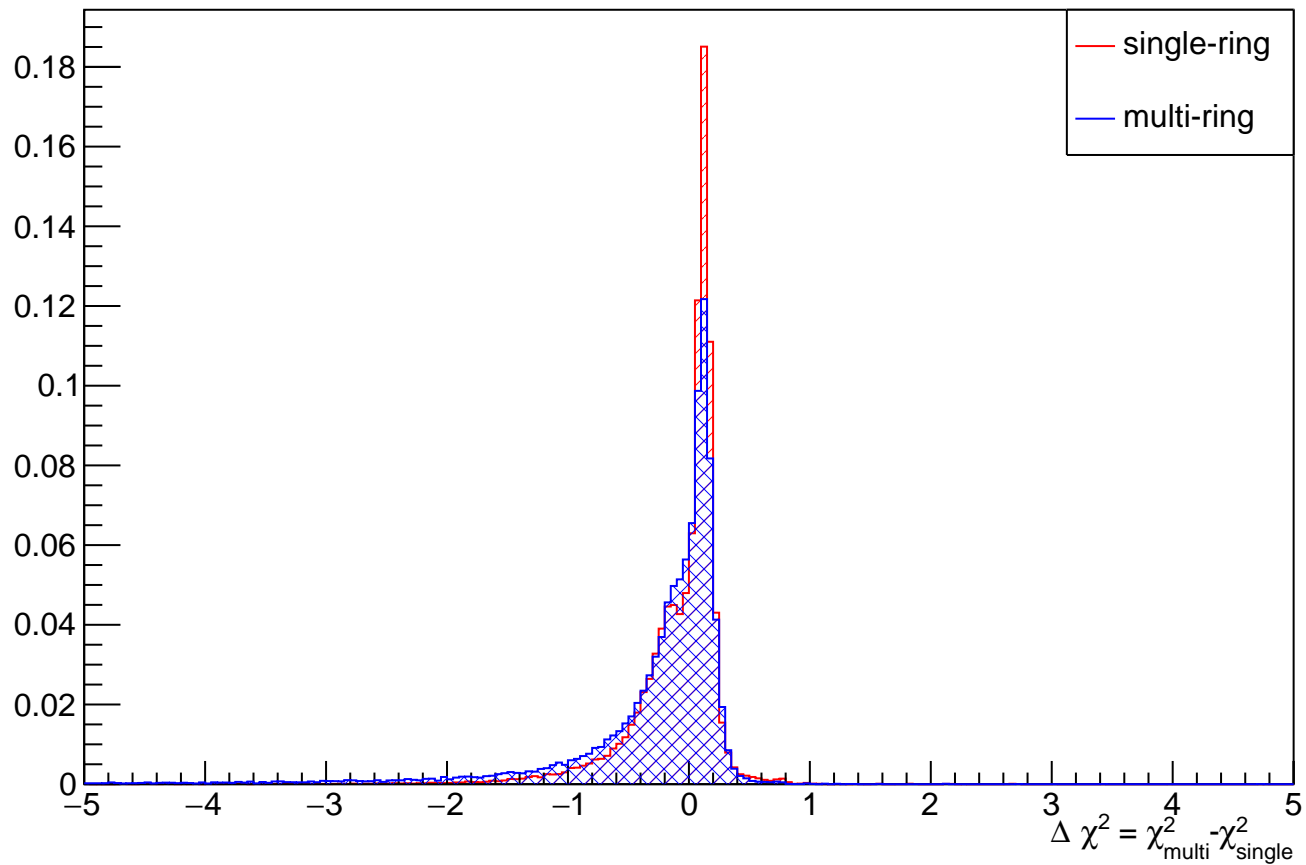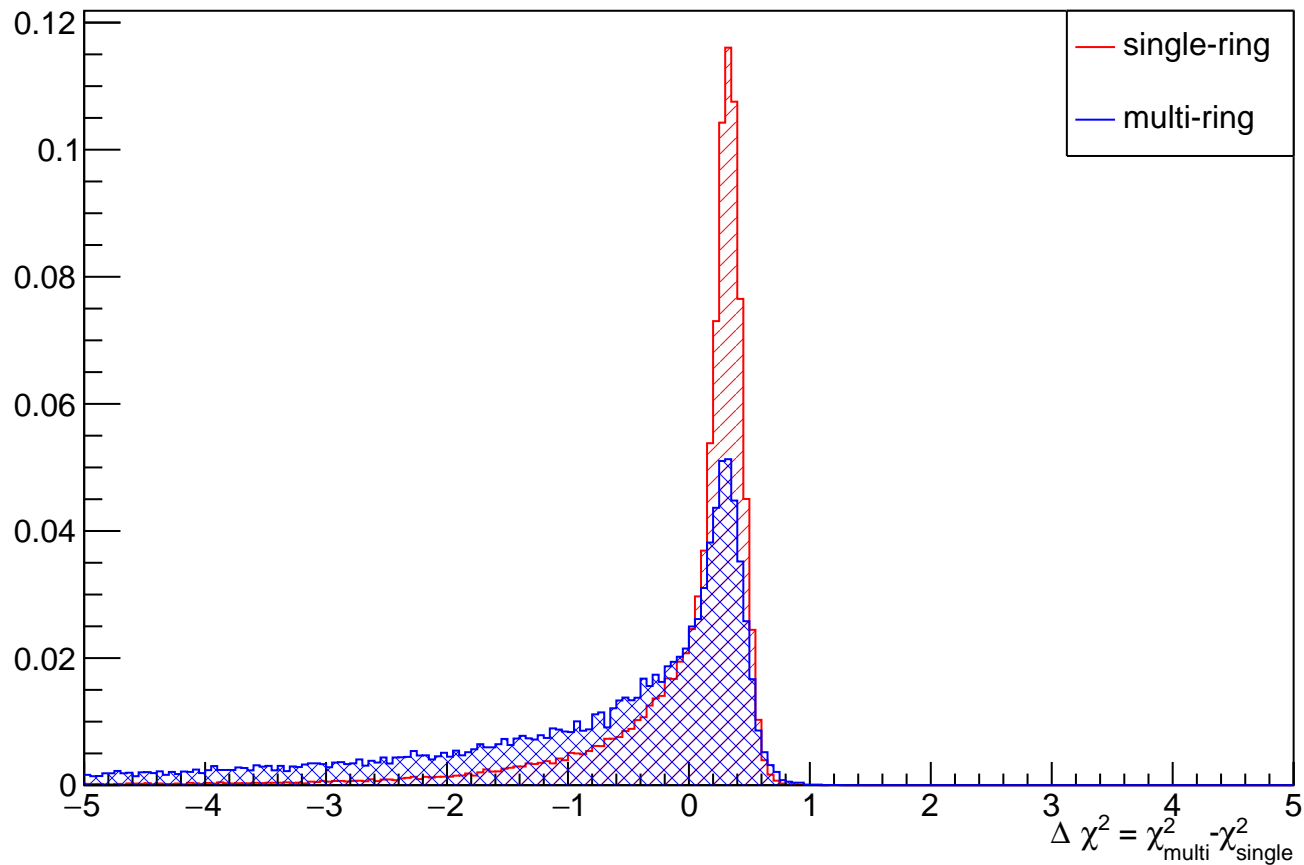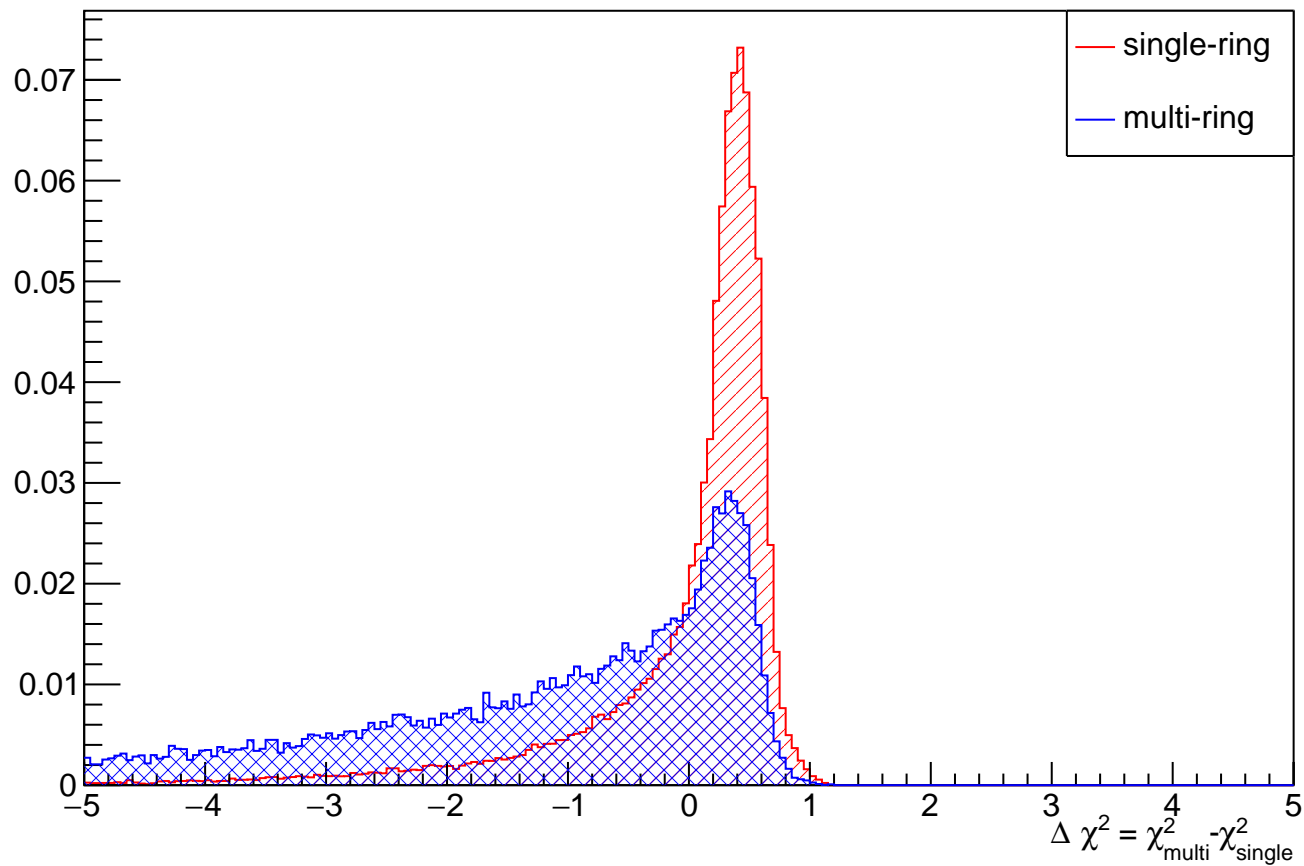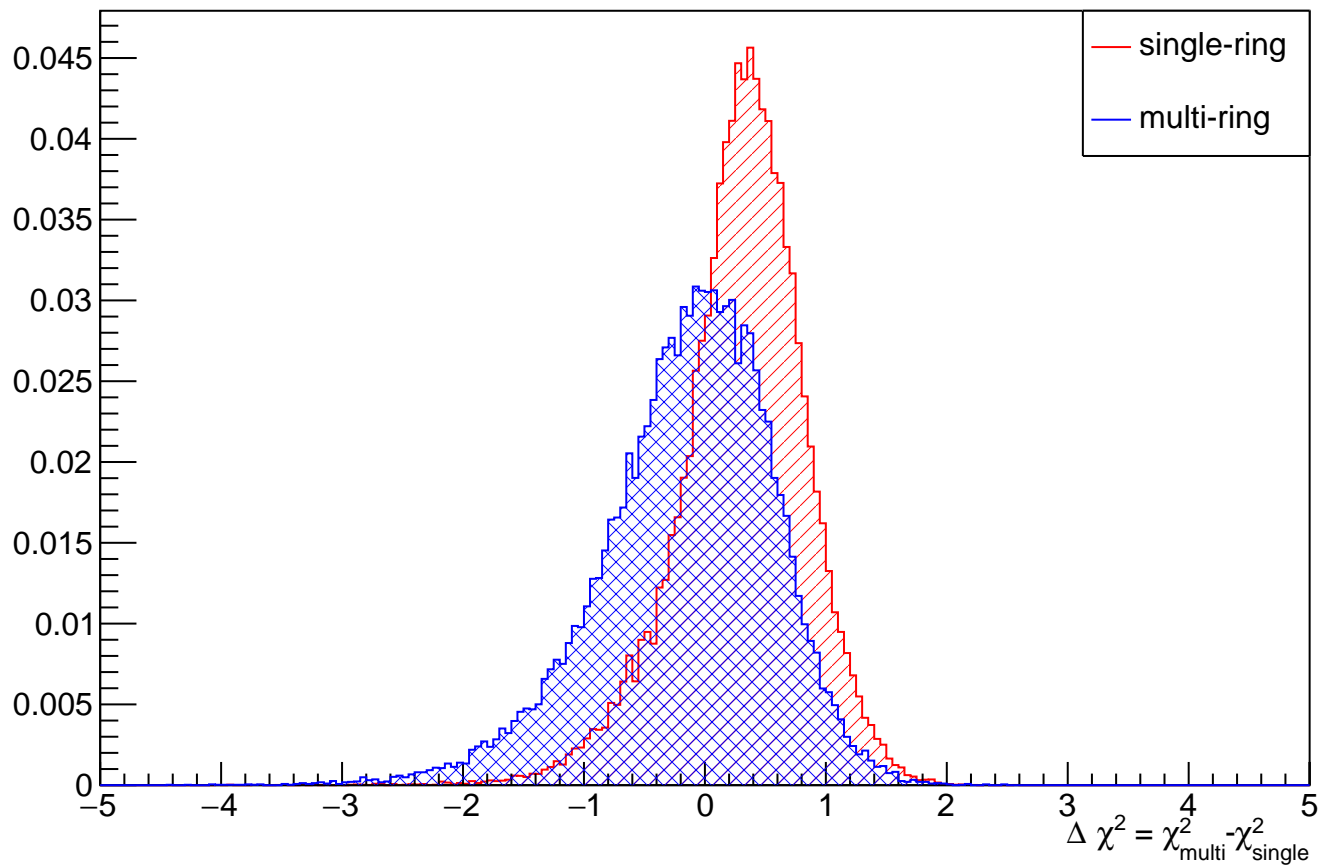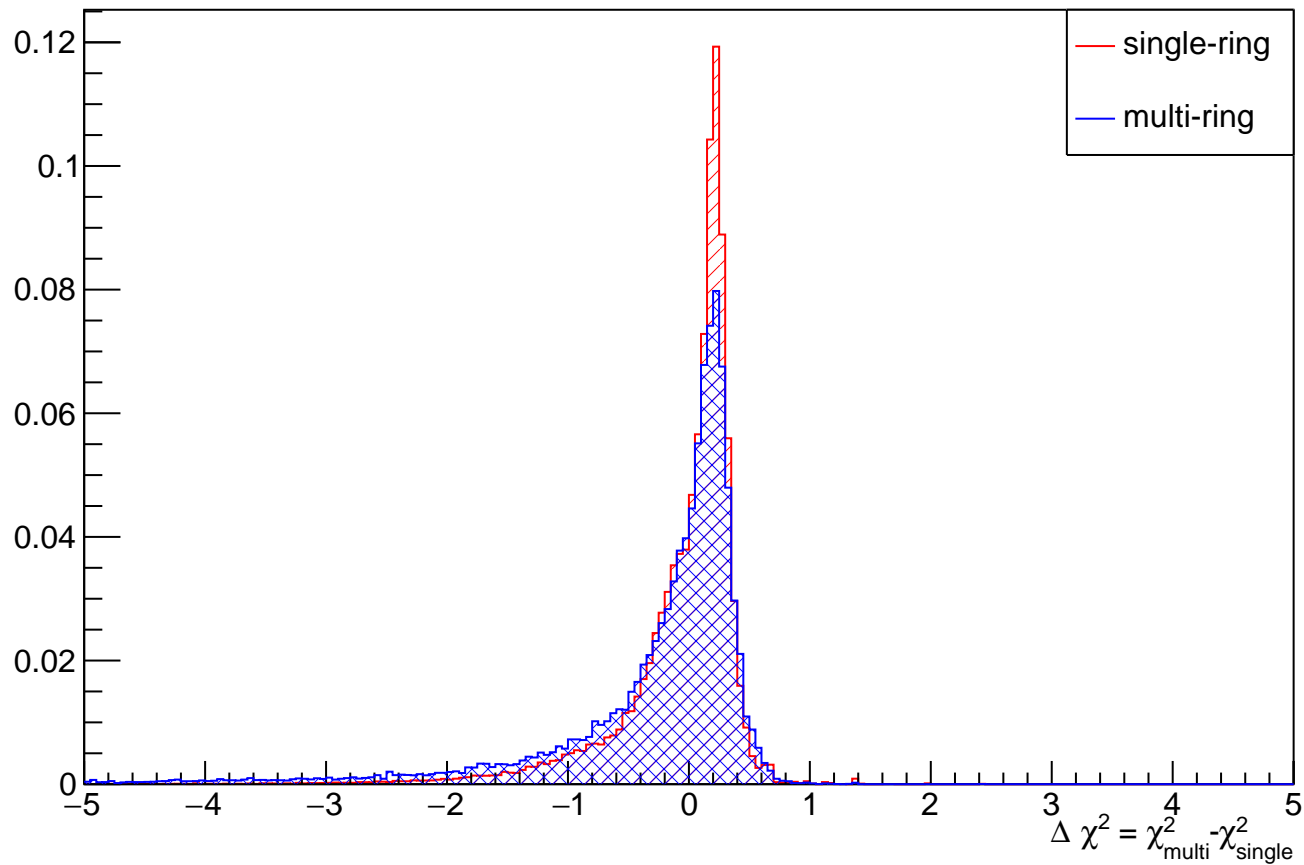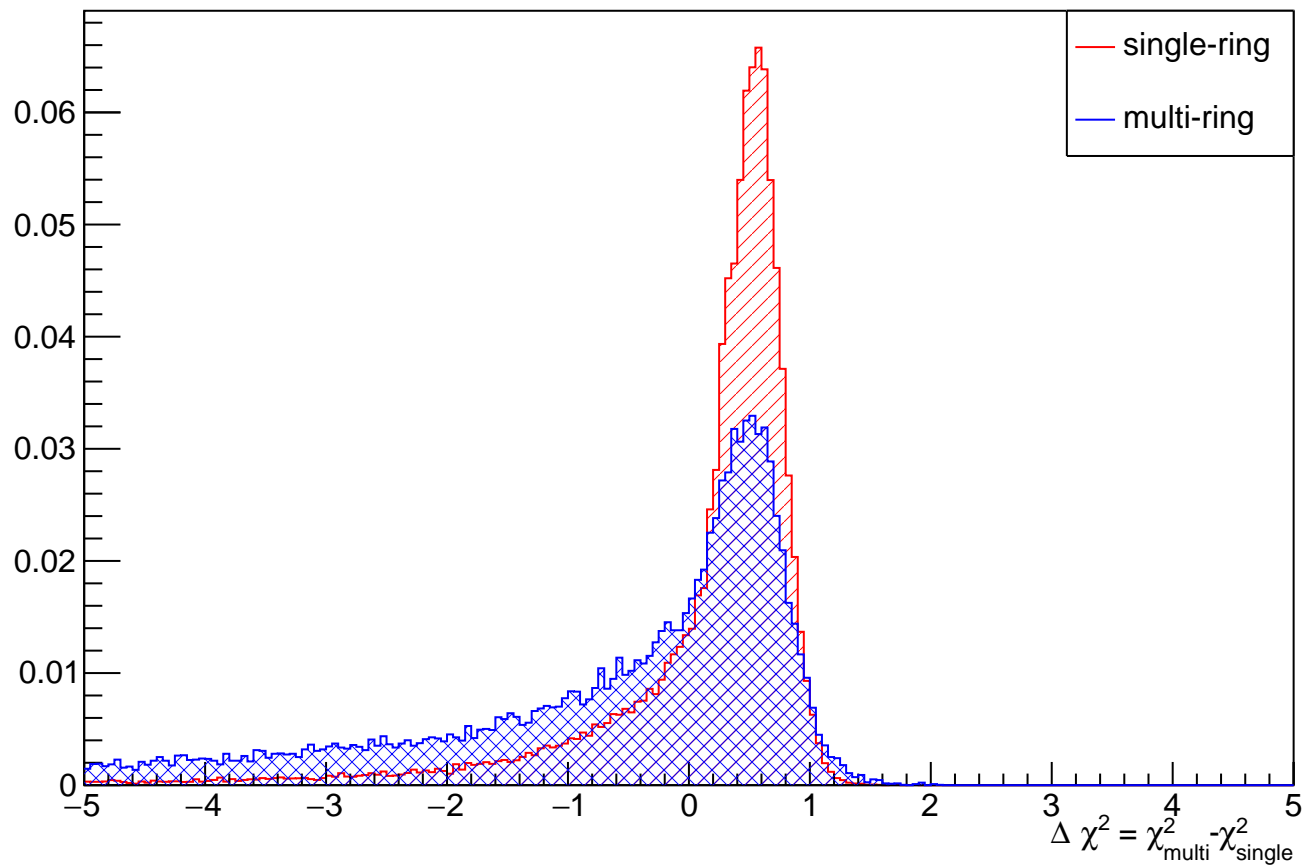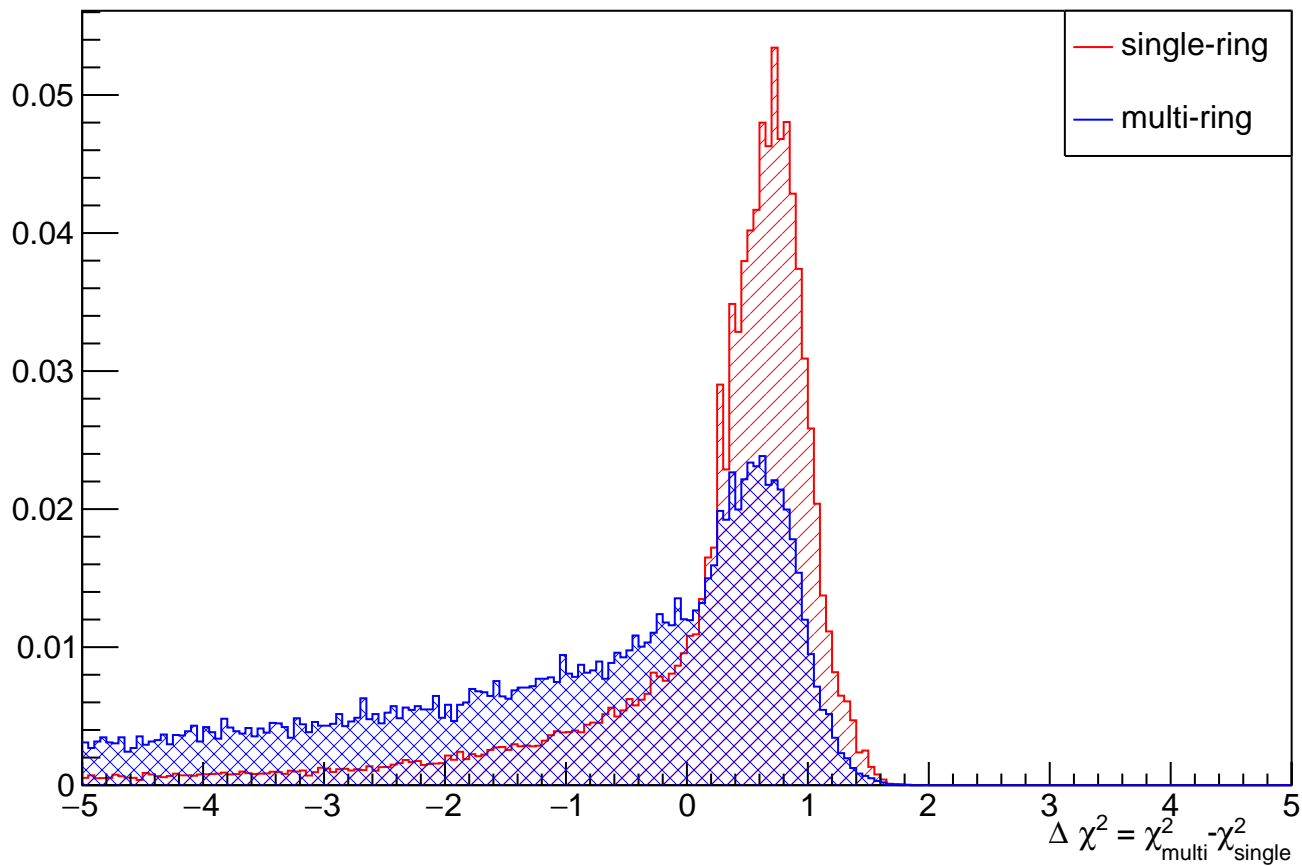
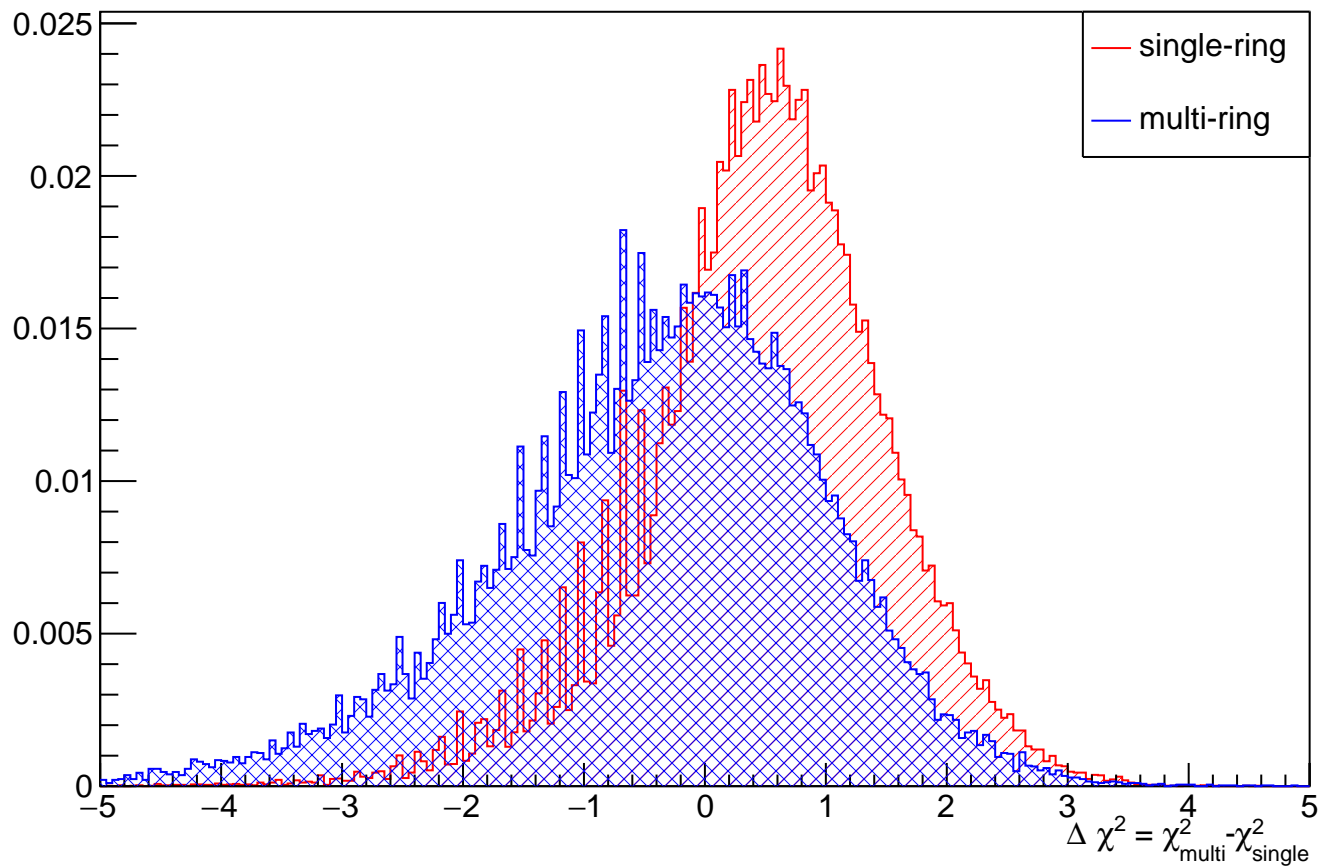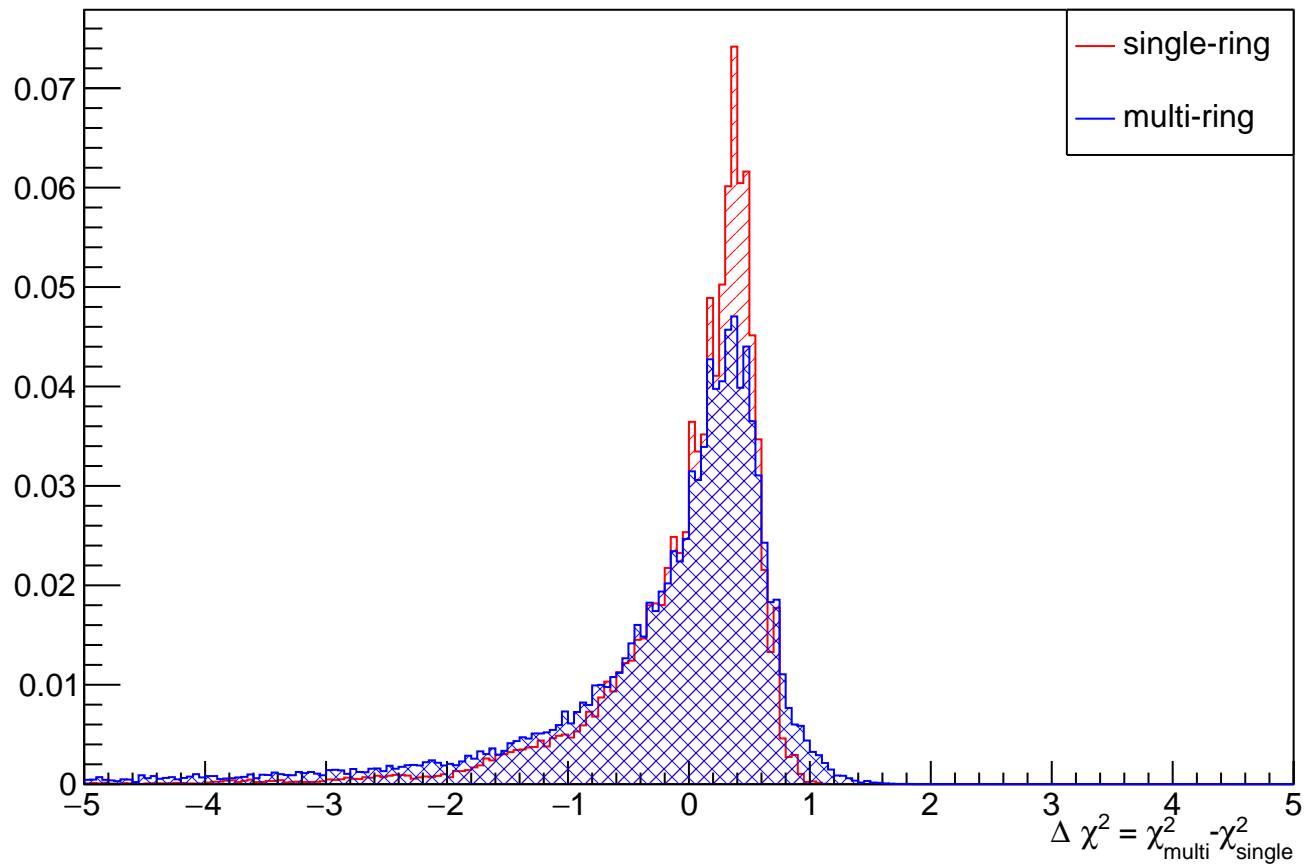# Likelihood theta (50 bins

Likelihood phi (50 bins

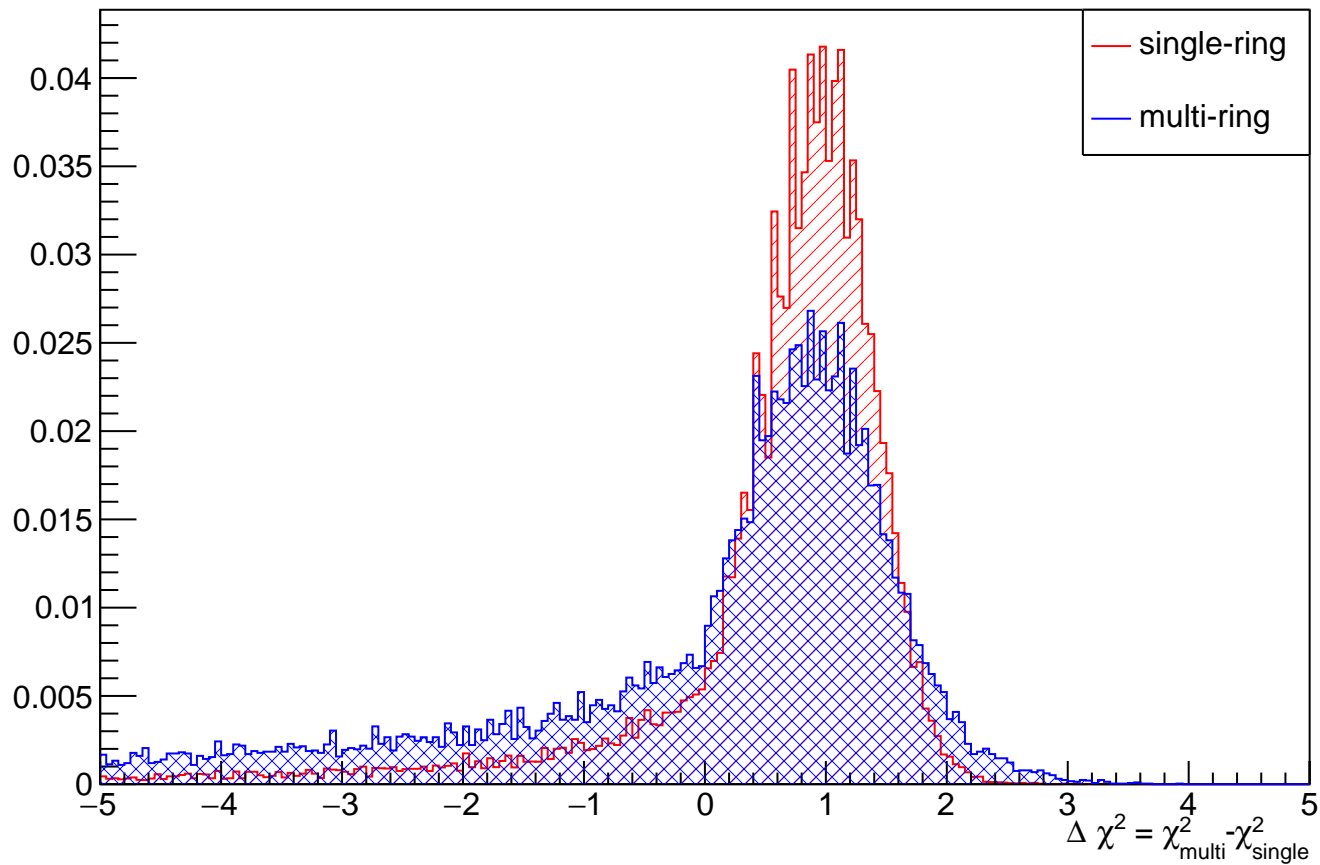Likelihood charge (100 bins

Legend:
- single-ring (red)
- multi-ring (blue)

x-axis: $\Delta \chi^2 = \chi^2_{multi} - \chi^2_{single}$

Likelihood time (100 bins

Likelihood theta (100 bins

Likelihood phi (100 bins